

Name \_\_\_\_\_

## The Antibiotic Arsenal: How Antibiotics Battle Bacterial Invaders

### Multiple Choice Questions

1. How do antibiotics work to combat bacterial infections?
  - A) By boosting the immune system
  - B) By targeting specific structures or processes within bacterial cells
  - C) By destroying viruses
  - D) By reducing inflammation
  
2. Which part of the bacterial cell does penicillin target?
  - A) Cell membrane
  - B) DNA
  - C) Ribosomes
  - D) Cell wall
  
3. What is the role of antibiotics in disrupting bacterial protein production?
  - A) They strengthen the production of proteins.
  - B) They disrupt the assembly line of proteins.
  - C) They repair damaged proteins.
  - D) They enhance protein synthesis.
  
4. How can bacteria develop resistance to antibiotics?
  - A) By evolving mechanisms to evade the effects of antibiotics
  - B) By becoming weaker
  - C) By increasing sensitivity to antibiotics
  - D) By avoiding contact with antibiotics
  
5. Why is it important to use antibiotics responsibly?
  - A) To boost bacterial growth
  - B) To reduce the effectiveness of antibiotics
  - C) To prevent the spread of antibiotic resistance
  - D) To encourage bacterial infections

